IIE Transactions (2003) **35**, 1145–1158

DESIGN & MANUFACTURING

AUTHOR INDEX FOR 2003

Apley, D.W., B.W. Shiu, D. Ceglarek and J. Shi; *Tolerance allocation for compliant beam structure assemblies*; April; 329

Bai, H. and C.K. Kwong; *Determining the importance weights for the customer requirements in QFD using a fuzzy AHP with an extent analysis approach*; July; 619
Batta, R., S. Huang and R. Nagi; *Variable capacity sizing and selection of connections in a facility layout*; January; 49
Berman, O. and S. Vasudeva; *Approximating performance measures for a network of unreliable machines*; July; 665
Bukchin, J. and J. Rubinovitz; *A weighted approach for assembly line design with station paralleling and equipment selection*; January; 73

Ceglarek, D., D.W. Apley, B.W. Shiu and J. Shi; *Tolerance allocation for compliant beam structure assemblies*; April; 329
Chakravarty, A.K.; *Optimizing prototyping effort with an evolving product design*; October; 921
Chen, D., P.B. Luh, L.S. Thakur and J. Moreno Jr; *Optimization-based manufacturing scheduling with multiple resources, setup requirements, and transfer lots*; October; 973
Chu, C-W., G.P. Zhang and B.E. Patuwo; *A hybrid inventory system with a time limit on backorders*; July; 679

Damodaran, P., W.E. Wilhelm and J. Li; *Prescribing the content and timing of product upgrades*; July; 647

Feng, C-X. and X-F. Wang; *Surface roughness predictive modeling: neural networks versus regression*; January; 11
Foley, R.D., B.C. Park, J.A. White and E.H. Frazelle; *Dual command travel times and miniload system throughput with turnover-based storage*; April; 343
Frazelle, E.H., B.C. Park, R.D. Foley and J.A. White; *Dual command travel times and miniload system throughput with turnover-based storage*; April; 343

Gharbi, A. and J-P. Kenne; *Optimal production control problem in stochastic multiple-product multiple-machine manufacturing systems*; October; 941
Glenn, D.W.; *The functional build approach to die tryout in the automobile industry*; April; 357

Huang, G.Q. and K.L. Mak; *Brokering the customer-supplier partnership in product design and realization over the World Wide Web*; April; 369
Huang, S., R. Batta and R. Nagi; *Variable capacity sizing and selection of connections in a facility layout*; January; 49

Joneja, A., Y. Weifeng and Y-S. Lee; *Greedy tool heuristic approach to rough milling of complex shaped pockets*; October; 953
Jones, A.T., Y.J. Son and R.A. Wysk; *Simulation-based shop floor control: formal model, model generation and control interface*; January; 29

Kenne, J-P. and A. Gharbi; *Optimal production control problem in stochastic multiple-product multiple-machine manufacturing systems*; October; 941
Kesavadas, T. and H. Subramanium; *Development and pilot testing for virtual manufacturing tools with intelligent attributes*; October; 933
Kogan, K. and J.R. Perkins; *Infinite horizon production planning with periodic demand: solvable cases and a general numerical approach*, January; 61
Kwong, C.K. and H. Bai; *Determining the importance weights for the customer requirements in QFD using a fuzzy AHP with an extent analysis approach*; July; 619

Lee, Y-S., A. Joneja and Y. Weifeng; *Greedy tool heuristic approach to rough milling of complex shaped pockets*; October; 953
Li, J., W.E. Wilhelm and P. Damodaran; *Prescribing the content and timing of product upgrades*; July; 647
Liu, Y., N.P. Williams and S.Y. Nof; *Analysis of workflow protocol adaptability in TestLAN production systems*; October; 965
Luh, P.B., D. Chen, L.S. Thakur and J. Moreno Jr; *Optimization-based manufacturing scheduling with multiple resources, setup requirements, and transfer lots*; October; 973

Magazine, M.J. and G.G. Polak; *Job release policy and printed circuit board assembly*; April; 379
Mak, K.L. and G.Q. Huang; *Brokering the customer-supplier partnership in product design and realization over the World Wide Web*; April; 369
McMullen, P.R. and P. Tarasewich; *Using ant techniques to solve the assembly line balancing problem*; July; 605
Meller, R.D. and M.L. Russell; *Cost and throughput modeling of manual and automated order fulfillment systems*; July; 589
Men, S. and L. Shi; *Optimal buffer allocation in production lines*; January; 1
Moreno Jr, J., D. Chen, P.B. Luh and L.S. Thakur; *Optimization-based manufacturing scheduling with multiple resources, setup requirements, and transfer lots*; October; 973

Nagi, R., S. Huang and R. Batta; *Brokering the customer-supplier partnership in product design and realization over the World Wide Web*; April; 369
Nagi, R., S. Huang and R. Batta; *Variable capacity sizing and selection of connections in a facility layout*; January; 49
Nof, S.Y., N.P. Williams and Y. Liu; *Analysis of workflow protocol adaptability in TestLAN production systems*; October; 965

Park, B.C., R.D. Foley, J.A. White and E.H. Frazelle; *Dual command travel times and miniload system throughput with turnover-based storage*; April; 343
Patuwo, B.E., G.P. Zhang and C-W. Chu; *A hybrid inventory system with a time limit on backorders*; July; 679
Perkins, J.R. and K. Kogan; *Infinite horizon production planning with periodic demand: solvable cases and a general numerical approach*, January; 61
Polak, G.G. and M.J. Magazine; *Job release policy and printed circuit board assembly*; April; 379

Rubinovitz, J. and J. Bukchin; *A weighted approach for assembly line design with station paralleling and equipment selection*; January; 73
Russell, M.L. and R.D. Meller; *Cost and throughput modeling of manual and automated order fulfillment systems*; July; 589

Shi, J., B.W. Shiu, D.W. Apley and D. Ceglarek; *Tolerance allocation for compliant beam structure assemblies*; April; 329

0740-817X © 2003 "IIE"

Shi, L. and S. Men; *Optimal buffer allocation in production lines*; January; 1
Shiu, B.W., D.W. Apley, D. Ceglarek and J. Shi; *Tolerance allocation for compliant beam structure assemblies*; April; 329
Son, Y.J., R.A. Wysk and A.T. Jones; *Simulation-based shop floor control: formal model, model generation and control interface*; January; 29
Subramanium, H. and T. Kesavadas; *Development and pilot testing for virtual manufacturing tools with intelligent attributes*; October; 933

Tarasewich. P. and P.R. McMullen; *Using ant techniques to solve the assembly line balancing problem*; July; 605
Tarmy, P.K. and W.E. Wilhelm; *Circuit card assembly on tandem turret-type placement machines*; July; 627
Thakur, L.S., D. Chen, P.B. Luh and J. Moreno Jr; *Optimization-based manufacturing scheduling with multiple resources, setup requirements, and transfer lots*; October; 973

Vasudeva, S. and O. Berman; *Approximating performance measures for a network of unreliable machines*; July; 665

Wang, X-F. and C-X. Feng; *Surface roughness predictive modeling: neural networks versus regression*; January; 11
Weifeng, Y., A. Joneja and Y-S. Lee; *Greedy tool heuristic approach to rough milling of complex shaped pockets*; October; 953
White, J.A., B.C. Park, R.D. Foley and E.H. Frazelle; *Dual command travel times and miniload system throughput with turnover-based storage*; April; 343
Wilhelm, W.E. and P.K. Tarmy; *Circuit card assembly on tandem turret-type placement machines*; July; 627
Wilhelm, W.E., P. Damodaran and J. Li; *Prescribing the content and timing of product upgrades*; July; 647
Williams, N.P., Y. Liu and S.Y. Nof; *Analysis of workflow protocol adaptability in TestLAN production systems*; October; 965
Wysk, R.A., Y.J. Son and A.T. Jones; *Simulation-based shop floor control: formal model, model generation and control interface*; January; 29

Zhang, G.P., B.E. Patuwo and C-W. Chu; *A hybrid inventory system with a time limit on backorders*; July; 679

SUBJECT INDEX FOR 2003

1000 – Engineering design
Huang, G.Q. and K.L. Mak; *Brokering the customer-supplier partnership in product design and realization over the World Wide Web*; April; 369

1030 – Design methodology
Chakravarty, A.K.; *Optimizing prototyping effort with an evolving product design*; October; 921
Glenn, D.W.; *The functional build approach to die tryout in the automobile industry*; April; 357
Kwong, C.K. and H. Bai; *Determining the importance weights for the customer requirements in QFD using a fuzzy AHP with an extent analysis approach*; July; 619

1040 – Design optimization
Wilhelm, W.E., P. Damodaran and J. Li; *Prescribing the content and timing of product upgrades*; July; 647

1050 – Design representation
Glenn, D.W.; *The functional build approach to die tryout in the automobile industry*; April; 357

1060 – Manufacturability/producibility analysis
Shiu, B.W., D.W. Apley, D. Ceglarek and J. Shi; *Tolerance allocation for compliant beam structure assemblies*; April; 329

1200 – Manufacturing processes
Glenn, D.W.; *The functional build approach to die tryout in the automobile industry*; April; 357

1210 – Assembly
Wilhelm, W.E., P. Damodaran and J. Li; *Prescribing the content and timing of product upgrades*; July; 647

1260 – Non-traditional processes
Wilhelm, W.E. and P.K. Tarmy; *Circuit card assembly on tandem turret-type placement machines*; July; 627

1270 – Process modeling
Glenn, D.W.; *The functional build approach to die tryout in the automobile industry*; April; 357
Russell, M.L. and R.D. Meller; *Cost and throughput modeling of manual and automated order fulfillment systems*; July; 589
Shiu, B.W., D.W. Apley, D. Ceglarek and J. Shi; *Tolerance allocation for compliant beam structure assemblies*; April; 329

1280 – Process optimization
Wilhelm, W.E., P. Damodaran and J. Li; *Prescribing the content and timing of product upgrades*; July; 647

1320 – Flexible manufacturing systems
Wilhelm, W.E., P. Damodaran and J. Li; *Prescribing the content and timing of product upgrades*; July; 647

1330 – Manufacturing systems analysis
Berman, O. and S. Vasudeva; *Approximating performance measures for a network of unreliable machines*; July; 665
Kogan, K. and J.R. Perkins; *Infinite horizon production planning with periodic demand: solvable cases and a general numerical approach*; January; 61
Zhang, G.P., B.E. Patuwo and C-W. Chu; *A hybrid inventory system with a time limit on backorders*; July; 679

1350 – Manufacturing systems control
Chen, D., P.B. Luh, L.S. Thakur and J. Moreno Jr; *Optimization-based manufacturing scheduling with multiple resources, setup requirements, and transfer lots*; October; 973

1370 – Manufacturing systems modeling
Shi, L. and S. Men; *Optimal buffer allocation in production lines*; January; 1

1420 – Equipment: movement
Park, B.C., R.D. Foley, J.A. White and E.H. Frazelle; *Dual command travel times and miniload system throughput with turnover-based storage*; April; 343

1440 – Facilities
Huang, S., R. Batta and R. Nagi; *Variable capacity sizing and selection of connections in a facility layout*; January; 49

1460 – Systems integration
Son, Y.J., R.A. Wysk and A.T. Jones; *Simulation-based shop floor control: formal model, model generation and control interface*; January; 29

1500 – Process planning
Glenn, D.W.; *The functional build approach to die tryout in the automobile industry*; April; 357
Russell, M.L. and R.D. Meller; *Cost and throughput modeling of manual and automated order fulfillment systems*; July; 589

Wilhelm, W.E., P. Damodaran and J. Li; *Prescribing the content and timing of product upgrades*; July; 647

1510 – Cutter path verification
Joneja, A., Y. Weifeng and Y-S. Lee; *Greedy tool heuristic approach to rough milling of complex shaped pockets*; October; 953

1540 – Sculptured surface machining
Feng, C-X. and X-F. Wang; *Surface roughness predictive modeling: neural networks versus regression*; January; 11
Joneja, A., Y. Weifeng and Y-S. Lee; *Greedy tool heuristic approach to rough milling of complex shaped pockets*; October; 953

1550 – Tool selection
Joneja, A., Y. Weifeng and Y-S. Lee; *Greedy tool heuristic approach to rough milling of complex shaped pockets*; October; 953
Kesavadas, T. and H. Subramanium; *Development and pilot testing for virtual manufacturing tools with intelligent attributes*; October; 933

2000 – Applied optimization
McMullen, P.R. and P. Tarasewich; *Using ant techniques to solve the assembly line balancing problem*; July; 605

2130 – Discrete event dynamic systems
Kogan, K. and J.R. Perkins; *Infinite horizon production planning with periodic demand: solvable cases and a general numerical approach*; January; 61
Shi, L. and S. Men; *Optimal buffer allocation in production lines*; January; 1

2150 – Queueing systems
Berman, O. and S. Vasudeva; *Approximating performance measures for a network of unreliable machines*; July; 665

2170 – Stochastic control
Gharbi, A. and J-P. Kenne; *Optimal production control problem in stochastic multiple-product multiple-machine manufacturing systems*; October; 941

2345 – Uniform random number generation
Kwong, C.K. and H. Bai; *Determining the importance weights for the customer requirements in QFD using a fuzzy AHP with an extent analysis approach*; July; 619

2400 – Engineering and technology management
Huang, G.Q. and K.L. Mak; *Brokering the customer-supplier partnership in product design and realization over the World Wide Web*; April; 369

3210 – Distribution planning
Huang, G.Q. and K.L. Mak; *Brokering the customer-supplier partnership in product design and realization over the World Wide Web*; April; 369

3300 – Production control
Gharbi, A. and J-P. Kenne; *Optimal production control problem in stochastic multiple-product multiple-machine manufacturing systems*; October; 941
Williams, N.P., Y. Liu and S.Y. Nof; *Analysis of workflow protocol adaptability in TestLAN production systems*; October; 965

3310 – Job release
Magazine, M.J. and G.G. Polak; *Job release policy and printed circuit board assembly*; April; 379

3060 – Performance evaluation
Zhang, G.P., B.E. Patuwo and C-W. Chu; *A hybrid inventory system with a time limit on backorders*; July; 679

3400 – Production planning
Bukchin, J. and J. Rubinovitz; *A weighted approach for assembly line design with station paralleling and equipment selection*; January; 73

3430 – Hierarchical production planning and control
Chen, D., P.B. Luh, L.S. Thakur and J. Moreno Jr; *Optimization-based manufacturing scheduling with multiple resources, setup requirements, and transfer lots*; October; 973

3500 – Scheduling
Chen, D., P.B. Luh, L.S. Thakur and J. Moreno Jr; *Optimization-based manufacturing scheduling with multiple resources, setup requirements, and transfer lots*; October; 973

3530 – Production scheduling
Chen, D., P.B. Luh, L.S. Thakur and J. Moreno Jr; *Optimization-based manufacturing scheduling with multiple resources, setup requirements, and transfer lots*; October; 973
McMullen, P.R. and P. Tarasewich; *Using ant techniques to solve the assembly line balancing problem*; July; 605

3580 – Stochastic scheduling

Gharbi, A. and J-P. Kenne; *Optimal production control problem in stochastic multiple-product multiple-machine manufacturing systems*; October; 941

GUEST REVIEWERS FOR 2003

Shabbir Ahmed, Georgia Institute of Technology
Selim Akturk, Bilkent University, Ankara, Turkey
Venkat Allada, University of Missouri-Rolla
Sam Anand, University of Cincinnati
Muhammad F. Anwar, University of Memphis
Ron Askin, University of Arizona
Amarnath Banerjee, Texas A&M University
John J. Bartholdi, Georgia Institute of Technology
Rajan Batta, State University of New York, Buffalo
Douglas A. Bodner, Georgia Institute of Technology (assisted by Margarit Khachatryan, Ph.D. Student)
David Cannon, Pennsylvania State University
Chun-Hsien Chen, Nanyang Technological University
Kevin Chou, The University of Alabama, Tuscaloosa
Paul J. Componation, The University of Alabama, Huntsville
David Coit, Rutgers University
Anoop K. Dhingra, University of Wisconsin, Milwaukee
Marco Dorigo, Université Libre de Bruxelles, Belgium
Chanaka Edirisinghe, University of Tennessee, Knoxville
Don Eisenstein, University of Chicago
Cheryl Gaimon, Georgia Institute of Technology
M. Girish, Atoga Systems
Abhijit Gosavi, University of Southern Colorado
Surendra M. Gupta, Northeastern University
Joseph C. Hartman, Lehigh University
Sunderesh Heragu, Rensselaer Polytechnic Institute
Mark Hillier, University of Washington
Eng Shwe Ho, Vitria Technology, Sunnyvale, CA
J.Q. Hu, Boston University
Seyed M.R. Iravani, Northwestern University

M. Eric Johnson, Dartmouth College
Jeffrey Joines, North Carolina State University, Raleigh
Bruce Kazaz, The University of Miami
Peter C. Kiessler, Clemson University
Way Kuo, Texas A&M University
Mark Lawley, Purdue University
Chulung Lee, National University of Singapore
H. Felix Lee, Southern Illinois University
Hyo-Seong Lee, Kyung-Hee University, S. Korea
Anita Lee-Post, University of Kentucky, Lexington
Amine Lehtihet, Pennsylvania State University, University Park, PA
George Liberopoulos, University of Thessaly, Volos, Greece
Rasaratnam Logendran, Oregon State University
Han Tong Loh, National University of Singapore
Michael Magazine, The University of Cincinnati
Behnam Malakooti, Case Western Reserve University
Elaine Martin, University of Newcastle, Newcastle upon Tyne, United Kingdom
Renato de Matta, University of Iowa
John O. McClain, Cornell University
Kee S. Moon, Michigan Tech, Houghton, MI
Andrew (Yeh Ching) Nee, National University of Singapore
Shimon Nof, Purdue University
Chuck Noon, University of Tennessee, Knoxville
Soh Kim Ong, National University of Singapore
Fariborz Y. Partovi, Drexel University
Jeff Rummel, University of Connecticut
Sibel Salman, Visiting Asst. Prof., Purdue University
Subhash Sarin, Virginia Polytechnic Institute and State University
Bhaba Sarker, Louisiana State University, Baton Rouge
Gunter Sharp, Georgia Institute of Technology
Leyuan Shi, University of Wisconsin, Madison
Alice E. Smith, Auburn University
Jeffrey Smith, Auburn University
Young Jun Son, University of Arizona
Guy Theraulaz, Université de Paul Sabatier, Toulouse, France
Reha Uzsoy, Purdue University
George L. Vairaktarakis, Case Western Reserve University
M.A. Wortman, Texas A&M University, College Station
Joyce Yen, University of Washington
Li Ping Zhang, National University of Singapore
Yun Feng Zhang, National University of Singapore

SCHEDULING & LOGISTICS

AUTHOR INDEX FOR 2003

Akturk, M.S., S. Avci and R.H. Storer; *A problem space algorithm for single machine weighted tardiness problems*; May; 479
Avci, S., M.S. Akturk and R.H. Storer; *A problem space algorithm for single machine weighted tardiness problems*; May; 479

Berman, O., Z. Drezner, J. Wang and G.O. Wesolowsky; *The minimax and maximin location problems on a network with uniform distributed weights*; November; 1017

Cai, X. and C.L. Vairaktarakis; *The value of processing flexibility in multipurpose machines*; August; 763
Cai, X., G. Zhang and C.K. Wong; *Optimal on-line algorithms for scheduling on parallel batch processing machines*; February; 175
Çetinkaya, S., A. Toptal and C-Y. Lee; *The buyer-vendor coordination problem: modeling inbound and outbound cargo capacity and costs*; November; 987
Chen, J. and G. Steiner; *On discrete lot streaming in no-wait flow shops*; February; 91
Cheung, K.L. and X-M. Yuan; *Optimal inventory policy for systems with demand cancellations*; August; 739
Cheung, R.K. and D.D. Hang; *A time-window sliding procedure for driver-task assignment with random service times*; May; 433
Choobineh, F.F. and S.M. Ryan; *Total WIP and WIP mix for a CONWIP controlled job shop*; May; 405
Chu, C. and F. Yalaoui; *An efficient heuristic approach for parallel machine scheduling with job splitting and sequence-dependent setup times*; February; 183

Denton, B. and D. Gupta; *A sequential bounding approach for optimal appointment scheduling*; November; 1003
Diks, E.B., S. Minner and A.G. de Kok; *A two-echelon inventory system with supply lead time flexibility*; February; 117
Dobson, G. and E. Stavrulaki; *Capacitated, finish-to-order production planning with customer ordering day assignments*; May; 445
Drezner, Z., O. Berman, J. Wang and G.O. Wesolowsky; *The minimax and maximin location problems on a network with uniform distributed weights*; November; 1017
Dror, M. and G. Knotts; *Agent-based project scheduling: computational study of large problems*; February; 143
Duenyas, I. and J.J. Neale; *Control of a batch processing machine serving compatible job families*; August; 699

Elmaghraby, S.E. and H. Soewandi; *Sequencing on two-stage hybrid flow-shops with uniform machines to minimize makespan*; May; 467
Eynan, A.; *The benefits of flexible production rates in the economic lot scheduling problem*; November; 1057

Gerchak, Y. and Q-M. He; *On the relation between the benefits of risk pooling and the variability of demand*; November; 1027
Guo, Z-M, H.S. Yan, Q-F. Xia, M-R. Zhu and X-L. Liu; *Integrated production planning and scheduling on automobile assembly lines*; August; 711
Gupta, D. and B. Denton; *A sequential bounding approach for optimal appointment scheduling*; November; 1003

Hang, D.D. and R.K. Cheung; *A time-window sliding procedure for driver-task assignment with random service times*; May; 433
He, Q-M. and Y. Gerchak; *On the relation between the benefits of risk pooling and the variability of demand*; November; 1027
Herer, Y.T. and M. Tzur; *Optimal and heuristic algorithms for the multi-location dynamic transshipment problem with fixed transshipment costs*; May; 419
Hsu, V.N.; *An economic lot size model for perishable products with age-dependent inventory and backorder costs*; August; 775

Iravani, S.M.R., K.L. Luangkesorn and D. Simchi-Levi; *On assemble-to-order systems with flexible customers*; May; 389

Kaminsky, P. and D. Simchi-Levi; *Production and distribution lot sizing in a two stage supply chain*; November; 1065
Kayaligil, S. and Y. Serin; *Lot splitting under learning effects with minimal revenue requirements and multiple lot types*; August; 689
Knotts, G. and M. Dror; *Agent-based project scheduling: computational study of large problems*; February; 143
Kok, A.G. de, S. Minner and E.B. Diks; *A two-echelon inventory system with supply lead time flexibility*; February; 117
Koole, G. and E. van der Sluis; *Optimal shift scheduling with a global service level constraint*; November; 1049

Lee, C. and J.A. Ventura; *Optimally locating multiple dwell points in a single loop guide path system*; August; 727
Lee, C-Y., A. Toptal and S. Çetinkaya; *The buyer-vendor coordination problem: modeling inbound and outbound cargo capacity and costs*; November; 987
Linn, R.J. and C-Q. Zhang; *A heuristic for dynamic yard crane deployment in a container terminal*; February; 161
Liu, X-L., H.S. Yan, Q-F. Xia, M-R. Zhu and Z-M. Guo; *Integrated production planning and scheduling on automobile assembly lines*; August; 711
Luangkesorn, K.L., S.M.R. Iravani and D. Simchi-Levi; *On assemble-to-order systems with flexible customers*; May; 389

Marsh, R.F. and S-H. Nam; *The impact of increasing user expectations on machine replacement*; May; 457
Minner, S., E.B. Diks and A.G. de Kok; *A two-echelon inventory system with supply lead time flexibility*; February; 117
Monahan, G.E. and N.C. Petruzzi; *Managing fashion goods inventories: dynamic recourse for retailers with outlet stores*; November; 1033

Nam, S-H. and R.F. Marsh; *The impact of increasing user expectations on machine replacement*; May; 457
Neale, J.J. and I. Duenyas; *Control of a batch processing machine serving compatible job families*; August; 699

Parlar. M. and Z.K. Weng; *Balancing desirable but conflicting objectives in the newsvendor problem*; February; 131
Petruzzi, N.C. and G.E. Monahan; *Managing fashion goods inventories: dynamic recourse for retailers with outlet stores*; November; 1033

Ravi, P.S. and M.J. Rosenblatt; *Managing demand to optimize production costs*; August; 749

Rosenblatt, M.J. and P.S. Ravi; *Managing demand to optimize production costs*; August; 749
Ryan, S.M. and F.F. Choobineh; *Total WIP and WIP mix for a CONWIP controlled job shop*; May; 405

Serin, Y. and S. Kayaligil; *Lot splitting under learning effects with minimal revenue requirements and multiple lot types*; August; 689
Simchi-Levi, D. and P. Kaminsky; *Production and distribution lot sizing in a two stage supply chain*; November; 1065
Simchi-Levi, D., S.M.R. Iravani and K.L. Luangkesorn; *On assemble-to-order systems with flexible customers*; May; 389
Sluis, E. van der and G. Koole; *Optimal shift scheduling with a global service level constraint*; November; 1049
Soewandi, H. and S.E. Elmaghraby; *Sequencing on two-stage hybrid flowshops with uniform machines to minimize makespan*; May; 467
Stavrulaki, E. and G. Dobson; *Capacitated, finish-to-order production planning with customer ordering day assignments*; May; 445
Steiner, G. and J. Chen; *On discrete lot streaming in no-wait flow shops*; February; 91
Storer, R.H., S. Avci and M.S. Akturk; *A problem space algorithm for single machine weighted tardiness problems*; May; 479

Toptal, A., S. Çetinkaya and C-Y. Lee; *The buyer-vendor coordination problem: modeling inbound and outbound cargo capacity and costs*; November; 987
Tzur, M. and Y.T. Herer; *Optimal and heuristic algorithms for the multi-location dynamic transshipment problem with fixed transshipment costs*; May; 419

Vairaktarakis, G.L. and X. Cai; *The value of processing flexibility in multipurpose machines*; August; 763
Ventura, J.A. and C. Lee; *Optimally locating multiple dwell points in a single loop guide path system*; August; 727

Wang, J., O. Berman, Z. Drezner and G.O. Wesolowsky; *The minimax and maximin location problems on a network with uniform distributed weights*; November; 1017
Weng, Z.K. and M. Parlar; *Balancing desirable but conflicting objectives in the newsvendor problem*; February; 131
Wesolowsky, G.O., O. Berman, Z. Drezner and J. Wang; *The minimax and maximin location problems on a network with uniform distributed weights*; November; 1017
Wong, C.K., G. Zhang and X. Cai; *Optimal on-line algorithms for scheduling on parallel batch processing machines*; February; 175

Xia, Q-F., H-S. Yan, M-R. Zhu, X-L. Liu and Z-M. Guo; *Integrated production planning and scheduling on automobile assembly lines*; August; 711

Yalaoui, F. and C. Chu; *An efficient heuristic approach for parallel machine scheduling with job splitting and sequence-dependent setup times*; February; 183
Yan, H-S., *Practical solution approaches to solve a hierarchical stochastic production planning problem in a flexible automated workshop in China*; February; 103
Yan, H-S., Q-F. Xia, M-R. Zhu, X-L. Liu and Z-M. Guo; *Integrated production planning and scheduling on automobile assembly lines*; August; 711
Yuan, X-M. and K.L. Cheung; *Optimal inventory policy for systems with demand cancellations*; August; 739

Zhang, C-Q. and R.J. Linn; *A heuristic for dynamic yard crane deployment in a container terminal*; February; 161
Zhang, G., X. Cai and C.K. Wong; *Optimal on-line algorithms for scheduling on parallel batch processing machines*; February; 175
Zhu, M-R., H.S. Yan, Q-F. Xia, X-L. Liu and Z-M. Guo; *Integrated production planning and scheduling on automobile assembly lines*; August; 711

SUBJECT INDEX FOR 2003

1420 – Equipment: movement
Ventura, J.A. and C. Lee; *Optimally locating multiple dwell points in a single loop guide path system*; August; 727

3010 – Control policy
Minner, S., E.B. Diks and A.G. de Kok; *A two-echelon inventory system with supply lead time flexibility*; February; 117
Parlar, M. and Z.K. Weng; *Balancing desirable but conflicting objectives in the newsvendor problem*; February; 131
Yuan, X-M. and K.L. Cheung; *Optimal inventory policy for systems with demand cancellations*; August; 739

3050 – Multi-stage systems
Minner, S., E.B. Diks and A.G. de Kok; *A two-echelon inventory system with supply lead time flexibility*; February; 117

3060 – Performance evaluation
Iravani, S.M.R., K.L. Luangkesorn and D. Simchi-Levi; *On assemble-to-order systems with flexible customers*; May; 389

3170 – Integrated production/distribution
Herer, Y.T. and M. Tzur; *Optimal and heuristic algorithms for the multi-location dynamic transshipment problem with fixed transshipment costs*; May; 419

3255 – Transportation
Cheung, R.K. and D.D. Hang; *A time-window sliding procedure for driver-task assignment with random service times*; May; 433

3310 – Job release
Ryan, S.M. and F.F. Choobineh; *Total WIP and WIP mix for a CONWIP controlled job shop*; May; 405

3320 – Kitting
Iravani, S.M.R., K.L. Luangkesorn and D. Simchi-Levi; *On assemble-to-order systems with flexible customers*; May; 389

3340 – Operation sequencing
Chen, J. and G. Steiner; *On discrete lot streaming in no-wait flow shops*; February; 91
Neale, J.J. and I. Duenyas; *Control of a batch processing machine serving compatible job families*; August; 699
Yalaoui, F. and C. Chu; *An efficient heuristic approach for parallel machine scheduling with job splitting and sequence-dependent setup times*; February; 183
Yan, H-S., Q-F. Xia, M-R. Zhu, X-L. Liu and Z-M. Guo; *Integrated production planning and scheduling on automobile assembly lines*; August; 711

3400 – Production planning
Dobson, G. and E. Stavrulaki; *Capacitated, finish-to-order production planning with customer ordering day assignments*; May; 445
Ravi, P.S. and M.J. Rosenblatt; *Managing demand to optimize production costs*; August; 749

3430 – Hierarchical production planning and control
Yan, H-S., *Practical solution approaches to solve a hierarchical stochastic production planning problem in a flexible automated workshop in China*; February; 103

3460 – Lead time management
Minner, S., E.B. Diks and A.G. de Kok; *A two-echelon inventory system with supply lead time flexibility*; February; 117

3470 – Lot sizing
Herer, Y.T. and M. Tzur; *Optimal and heuristic algorithms for the multi-location dynamic transshipment problem with fixed transshipment costs*; May; 419
Hsu, V.N.; *An economic lot size model for perishable products with age-dependent inventory and backorder costs*; August; 775
Serin, Y. and S. Kayaligil; *Lot splitting under learning effects with minimal revenue requirements and multiple lot types*; August; 689

3500 – Scheduling
Avci, S., M.S. Akturk and R.H. Storer; *A problem space algorithm for single machine weighted tardiness problems*; May; 479
Chen, J. and G. Steiner; *On discrete lot streaming in no-wait flow shops*; February; 91
Linn, R.J. and C-Q. Zhang; *A heuristic for dynamic yard crane deployment in a container terminal*; February; 161
Soewandi, H. and S.E. Elmaghraby; *Sequencing on two-stage hybrid flowshops with uniform machines to minimize makespan*; May; 467
Yalaoui, F. and C. Chu; *An efficient heuristic approach for parallel machine scheduling with job splitting and sequence-dependent setup times*; February; 183

3520 – Level scheduling
Vairaktarakis, G.L. and X. Cai; *The value of processing flexibility in multipurpose machines*; August; 763

3530 – Production scheduling
Yan, H-S., Q-F. Xia, M-R. Zhu, X-L. Liu and Z-M. Guo; *Integrated production planning and scheduling on automobile assembly lines*; August; 711

3540 – Project scheduling
Knotts, G. and M. Dror; *Agent-based project scheduling: computational study of large problems*; February; 143

3550 – Real time scheduling
Neale, J.J. and I. Duenyas; *Control of a batch processing machine serving compatible job families*; August; 699
Zhang, G., X. Cai and C.K. Wong; *Optimal on-line algorithms for scheduling on parallel batch processing machines*; February; 175

3650 – Demand management
Dobson, G. and E. Stavrulaki; *Capacitated, finish-to-order production planning with customer ordering day assignments*; May; 445
Ravi, P.S. and M.J. Rosenblatt; *Managing demand to optimize production costs*; August; 749

4460 – Maintenance
Marsh, R.F. and S-H. Nam; *The impact of increasing user expectations on machine replacement*; May; 457

GUEST REVIEWERS FOR 2003

Alessandro Agnetis, Universita di Siena, Italy
Hyun-soo Ahn, University of Michigan
Elif Akcali, University of Florida
Selim Akturk, Bilkent University, Ankara, Turkey
Ali Allahverdi, Kuwait University
Victor Araman, New York University
Ardavan Asef-Vaziri, University of Houston
Ron Askin, University of Arizona
Yossi Aviv, Washington University
Jaydeep Balakrishnan, University of Calgary
Nagraj Balakrishnan, Clemson University
Jonathan Bard, University of Texas at Austin
Yehuda Bassok, University of Southern California
Oded Berman, University of Toronto
Fernando Bernstein, Duke University
Dirk Beyer, Hewlett Packard Company Labs, Palo Alto, California
Ebru Bish, Virginia Polytechnic Institute and State University
Dennis Blumenfeld, General Motors Research Laboratories, Warren, Michigan
Jos Bockhorst, University of Groningen, The Netherlands
Larry Bodin, University of Maryland
Ahmet Bolat, King Saud University, Riyadh, Saudi Arabia
John Boudreau, Cornell University
Tamer Boyaci, McGill University, Montreal, Quebec, Canada
Michael Brusco, Florida State University
Yossi Bukchin, Tel Aviv University, Tel Aviv, Israel
John Buzacott, York University, Toronto, Ontario, Canada
Metin Cakanyildirim, University of Texas, Dallas
Scott Carr, University of California at Los Angeles
Lap Mui Ann Chan, University of Toronto
Sergio Chayet, University of Chicago
Gang Chen, University of Florida
Zhi-Long Chen, University of Maryland
Raymond Cheung, Hong Kong University of Science and Technology
W. Kevin Chiang, University of Maryland at Baltimore
Wen-Chyuan Chiang, The University of Tulsa
Cheng-Feng Mabel Chou, National University of Singapore
Bill Cooper, University of Minnesota
Maqbool Dada, Purdue University
Greg De Croix, Duke University
Ton de Kok, Eindhoven University of Technology, Eindhoven, The Netherlands
Federico della Croce, Politecnico de Torino, Turin, Italy
Nico Dellaert, Technische Universiteit Eindhoven, The Netherlands
Borga Deniz, Carnegie Mellon University
Francis de Vericourt, Duke University
Karen Donohue, University of Minnesota
Zvi Drezner, California State University at Fullerton
Moshe Dror, University of Arizona
Izak Duenyas, University of Michigan
Simon Dunstall, Commonwealth Scientific and Industrial Research Organisation, Melbourne, Australia
Fred Easton, Syracuse University
Erdal Erel, Bilkent University, Ankara, Turkey
Alan Erera, Georgia Institute of Technology
Mark Fleischer, University of Maryland
John Fowler, Arizona State University
Esma Gel, Arizona State University
Bernard Gendron, University of Montreal
Yigal Gerchak, Tel Aviv University, Israel
Joe Geunes, University of Florida
Jay Ghosh, University of Southern California
Stephen C. Graves, Massachusetts Institute of Technology
Paul Griffin, Georgia Institute of Technology
Diwakar Gupta, University of Minnesota
Ali Haghani, University of Maryland
Horst Hamacher, University of Kaiserslautern, Germany
Joseph C. Hartman, Lehigh University
Sunderesh Heragu, Rensselaer Polytechnic Institute
Jeffrey Hermann, University of Maryland

Mark Hillier, University of Washington
John Hodgson, University of Alberta
Wallace Hopp, Northwestern University
Boray Huang, Northwestern University
H.C. Huang, National University of Singapore
Rongbing Huang, University of Toronto
Armann Ingesloff, University of Alberta, Edmonton, Alberta, Canada
Robert Inman, General Motors Research Laboratories, Warren, Michigan
Seyed Iravani, Northwestern University
Ananth Iyer, Purdue University
Philip Kaminsky, University of California at Berkeley
Roman Kapuscinski, University of Michigan
David S. Kim, Oregon State University
Yeong-Dae Kim, Korea Advanced Institute of Science and Technology
A. Kimms, Technische Universität Bergakademie Freiberg, Germany
Ted Klastorin, University of Washington
Mikhail Kovalyov, Institute of Engineering Cybernetics, Minsk, Belarus
Georg Krieg, Katholische Universitat Eichstatt-Ingolstadt, Germany
Fred Lambert, Erasmus University, Rotterdam, The Netherlands
Chi-Guhn Lee, University of Toronto
Janny Leung, Chinese University of Hong Kong
Chung-Lun Li, Hong Kong Polytechnic University
Shanling Li, McGill University, Montreal, Quebec, Canada
Dr. Bertrand Lin, National Chi Nan University, Taiwan
Bertrand M.T. Lin, National Chi Nan University, Taiwan
Ben Malakooti, Case Western Reserve University
Suman Mallik, University of Illinois
Scott Mason, University of Arkansas, Fayetteville
Richard McBride, University of Southern California
Russ Meller, Virginia Polytechnic Institute and State University
John Miltenburg, McMaster University, Hamilton, Ontario, Canada
Stefan Minner, Universitat Paderborn, Germany
Dolores Romero Morales, Said Business School, Oxford, United Kingdom
Gur Mosheiov, Hebrew University, Jerusalem, Israel
Charles Munson, Washington State University
Ana Muriel, University of Massachusetts at Amherst
Suresh K Nair, University of Connecticut
David Nembhard, University of Wisconsin at Madison
Emmanuel Neron, University of Tours, France
Serguei Netessine, University of Pennsylvania
Alexandra Newman, Colorado School of Mines
Daniel Ng, The Hong Kong Polytechnic University
Koji Nonobe, Kyoto University
Adegoke Oke, Cranfield University, United Kingdom
Susan Hesse Owen, General Motors Truck Group, Pontiac, Michigan
Udatta Palekar, University of Illinois
Grzegorz Pawlak, Poznan University of Technology, Poland
Madeleine Pullman, Colorado State University
Michael J. Racer, University of Memphis
Saibal Ray, McGill University, Montreal, Quebec, Canada
S.A. Reveliotis, Georgia Institute of Technology
Larry Robinson, Cornell University
H. Edwin Romeijn, University of Florida
Chris Rump, Bowling Green State University
Ihsan Sabuncuoglu, Bilkent University, Ankara, Turkey
Lee Schruben, University of California at Berkeley
Kenneth Schultz, Indiana University
Christoph Schwindt, Universität Karlsruhe, Germany
Alper Sen, Bilkent University, Ankara, Turkey
Canan Sevaskan, Northwestern University
Zuo-Jun Max Shen, University of Florida
Leyuan Shi, University of Wisconsin at Madison
Robert Shumsky, University of Rochester
David Simchi-Levi, Massachusetts Institute of Technology
Jeanine Smallwood, University of Arizona
Francis Sourd, Université Pierre et Marie Curie
Chelliah Sriskandarajah, University of Texas at Dallas
Hartmut Stadtler, Technische Universitat Darmstadt, Germany
Kathryn E. Stecke, University of Texas at Dallas
Frederik Stork, ILOG Deutschland GmbH, Germany
Nerendar Sumukadas, University of Hartford
Jayashankar M. Swaminathan, University of North Carolina
Julie Swann, Georgia Institute of Technology
George Tagaras, Aristotle University, Greece
Eylem Tekin, University of North Carolina
Horst Tempelmeier, Universitaet zu Koln, Germany
Chung-Piaw Teo, National University of Singapore
Dusan Teodorovic, Northern Virginia Graduate Center, Falls Church, Virginia
Ronald Tibben-Lembke, University of Nevada at Reno
Beril Toktay, INSEAD, Fontainebleau, France
Andy A. Tsay, Santa Clara University
Rajeev Tyagi, University of California at Irvine
Timothy L. Urban, The University of Tulsa
Brian Uzzi, Northwestern University
George Vairaktarakis, Case Western Reserve University
Joris van de Klundert, Maastricht University, The Netherlands
Marjan van den Akker, University of Utrecht, The Netherlands
Jeroen Van den Berg, Jeroen Van den Berg Consulting, Barneveld, The Netherlands
Jan Van Mieghem, Northwestern University
Mark Van Oyen, Loyola University Chicago
Michael Veatch, Gordon College, Wenham, Massachusetts
Senthil Veeraraghavan, Carnegie Mellon University
Albert P.M. Wagelmans, Erasmus University, Rotterdam, The Netherlands
Qian Wang, University of Toronto
Qiang Wang, Rutgers University
Yunzeng Wang, Case Western Reserve University
Scott Webster, Syracuse University
Michael Weng, University of South Florida
Z. Kevin Weng, University of Wisconsin at Madison
Shangyao Yan, National Central University, Chungli, Taiwan
Jian Yang, New Jersey Institute of Technology
Charlene Yauch, Oklahoma State University
Umit Yuceer, Eastern Mediterranean University, Mersin, Turkey
Alex Zhang, Hewlett Packard Company Labs, Palo Alto, California
Yong-Pin Zhou, University of Washington
Leon Yang Zhu, University of Florida
James Zydiak, Loyola University Chicago

OPERATIONS ENGINEERING

AUTHOR INDEX FOR 2003

Aboudi, R., J.E. Pachon, E. Iakovou and C. Ip; *A synthesis of tactical fleet planning models for the car rental industry*; September; 907
Albin, S.L. and D. Xu; *Robust optimization of experimentally derived objective functions*; September; 793
Alwan, L.C., J.J. Liu and D-Q. Yao; *Stochastic characterization of upstream demand processes in a supply chain*; March; 207

Bauer Jr, K.W., T.H. Irish and D.C. Dietz; *Replicative use of an external analytical model in simulation variance reduction*; September; 879
Boesel, J., B.L. Nelson and N. Ishii; *A framework for simulation–optimization software*; March; 211
Bowman, J.M., S.H. Jacobson, J.L. Virta, J.E. Kobza and J.J. Nestor; *Modeling aviation baggage screening security systems: a case study*; March; 259
Bress, R.A., T.R. Willemain and L.S. Halleck; *Enhanced simulation inference using bootstraps of historical inputs*; September; 851

Chambers, C. and P. Kouvelis; *Competition, learning and investment in new technology*; September; 863
Chen, H. and Y-W. Wan; *Price competition of make-to-order firms*; September; 817
Chen, H. and Y-W. Wan; *The optimal admission and dispatching control policy of a two-terminal transportation system*; September; 895
Chen, R.R. and L.W. Robinson; *Scheduling doctors' appointments: optimal and empirically-based heuristic policies*; March; 295
Cheung, R.K. and D.D. Hang; *Multi-attribute label matching algorithms for vehicle routing problems with time windows and backhauls*; March; 191
Cook, W.D. and J. Zhu; *Output deterioration with input reduction in data envelopment analysis*; March; 309

Deák, I.; *Probabilities of simple* n*-dimensional sets for the normal distribution*; March; 285
Dietz, D.C., T.H. Irish and K.W. Bauer Jr; *Replicative use of an external analytical model in simulation variance reduction*; September; 879
Dror, M. and B.C. Hartman; *Optimizing centralized inventory operations in a cooperative game theory setting*; March; 243

Gürler, Ü. and B.Y. Özkaya; *A note on "Continuous review perishable inventory systems: models and heuristics;"* March; 321

Halleck, L.S., T.R. Willemain and R.A. Bress; *Enhanced simulation inference using bootstraps of historical inputs*; September; 851
Hang, D.D. and R.K. Cheung; *Multi-attribute label matching algorithms for vehicle routing problems with time windows and backhauls*; March; 191
Hartman, B.C. and M. Dror; *Optimizing centralized inventory operations in a cooperative game theory setting*; March; 243

Iakovou, E., J.E. Pachon, C. Ip and R. Aboudi; *A synthesis of tactical fleet planning models for the car rental industry*; September; 907
Ip, C., J.E. Pachon, E. Iakovou and R. Aboudi; *A synthesis of tactical fleet planning models for the car rental industry*; September; 907
Irish, T.H., D.C. Dietz and K.W. Bauer Jr; *Replicative use of an external analytical model in simulation variance reduction*; September; 879
Irizarry, M. de los A., M.E. Kuhl, E.K. Lada, S. Subramanian and J.R. Wilson; *Analyzing transformation-based simulation metamodels*; March; 271
Ishii, N., J. Boesel and B.L. Nelson; *A framework for simulation–optimization software*; March; 211

Jacobson, S.H., J.L. Virta, J.M. Bowman, J.E. Kobza and J.J. Nestor; *Modeling aviation baggage screening security systems: a case study*; March; 259

Kobza, J.E., S.H. Jacobson, J.L. Virta, J.M. Bowman and J.J. Nestor; *Modeling aviation baggage screening security systems: a case study*; March; 259
Kouvelis, P. and C. Chambers; *Competition, learning and investment in new technology*; September; 863
Kuhl, M.E., M. de los A. Irizarry, E.K. Lada, S. Subramanian and J.R. Wilson; *Analyzing transformation-based simulation metamodels*; March; 271

Lada, E.K., M. de los A. Irizarry, M.E. Kuhl, S. Subramanian and J.R. Wilson; *Analyzing transformation-based simulation metamodels*; March; 271
Lee, C-Y., S. Tan and H. Yan; *Designing an assembly process with stochastic material arrivals*; September; 803
Liu, J.J., L.C. Alwan and D-Q. Yao; *Stochastic characterization of upstream demand processes in a supply chain*; March; 207

Nelson, B.L., J. Boesel and N. Ishii; *A framework for simulation–optimization software*; March; 211
Nestor, J.J., S.H. Jacobson, J.L. Virta, J.M. Bowman and J.E. Kobza; *Modeling aviation baggage screening security systems: a case study*; March; 259

Olsen, M., S. Rassenti, M. Rigdon and V. Smith; *Market design and human trading behavior in electricity markets*; September; 833
Özkaya, B.Y. and Ü. Gürler; *A note on "Continuous review perishable inventory systems: models and heuristics;"* March; 321

Pachon, J.E., E. Iakovou, C. Ip and R. Aboudi; *A synthesis of tactical fleet planning models for the car rental industry*; September; 907

Rassenti, S., M. Olsen, M. Rigdon and V. Smith; *Market design and human trading behavior in electricity markets*; September; 833
Rigdon, M., M. Olsen, S. Rassenti and V. Smith; *Market design and human trading behavior in electricity markets*; September; 833
Robinson, L.W. and R.R. Chen; *Scheduling doctors' appointments: optimal and empirically-based heuristic policies*; March; 295

Smith, V., M. Olsen, S. Rassenti and M. Rigdon; *Market design and human trading behavior in electricity markets*; September; 833
Subramanian, S., M. de los A. Irizarry, M.E. Kuhl, E.K. Lada and J.R. Wilson; *Analyzing transformation-based simulation metamodels*; March; 271

Tan, S., C-Y. Lee and H. Yan; *Designing an assembly process with stochastic material arrivals*; September; 803
Tsui, K-L. and F. Tsung; *A mean-shift pattern study on integration of SPC and APC for process monitoring*; March; 231

Tsung, F. and K-L. Tsui; *A mean-shift pattern study on integration of SPC and APC for process monitoring*; March; 231
Virta, J.L., S.H. Jacobson, J.M. Bowman, J.E. Kobza and J.J. Nestor; *Modeling aviation baggage screening security systems: a case study*; March; 259

Wan, Y-W. and H. Chen; *Price competition of make-to-order firms*; September; 817
Wan, Y-W. and H. Chen; *The optimal admission and dispatching control policy of a two-terminal transportation system*; September; 895
Willemain, T.R., R.A. Bress and L.S. Halleck; *Enhanced simulation inference using bootstraps of historical inputs*; September; 851
Wilson, J.R. and F. Zouaoui; *Accounting for parameter uncertainty in simulation input modeling*; September; 781
Wilson, J.R., M. de los A. Irizarry, M.E. Kuhl, E.K. Lada and S. Subramanian; *Analyzing transformation-based simulation metamodels*; March; 271
Xu, D. and S.L. Albin; *Robust optimization of experimentally derived objective functions*; September; 793

Yan, H., C-Y. Lee and S. Tan; *Designing an assembly process with stochastic material arrivals*; September; 803
Yao, D-Q., L.C. Alwan and J.J. Liu; *Stochastic characterization of upstream demand processes in a supply chain*; March; 207

Zhu, J. and W.D. Cook; *Output deterioration with input reduction in data envelopment analysis*; March; 309
Zouaoui, F. and J.R. Wilson; *Accounting for parameter uncertainty in simulation input modeling*; September; 781

SUBJECT INDEX FOR 2003

440 – Transportation

Jacobson, S.H., J.L. Virta, J.M. Bowman, J.E. Kobza and J.J. Nestor; *Modeling aviation baggage screening security systems: a case study*; March; 259
Pachon, J.E., E. Iakovou, C. Ip and R. Aboudi; *A synthesis of tactical fleet planning models for the car rental industry*; September; 907

1360 – Manufacturing systems design

Lee, C-Y., S. Tan and H. Yan; *Designing an assembly process with stochastic material arrivals*; September; 803

2020 – Dynamic programming

Hartman, B.C. and M. Dror; *Optimizing centralized inventory operations in a cooperative game theory setting*; March; 243
Olsen, M., S. Rassenti, M. Rigdon and V. Smith; *Market design and human trading behavior in electricity markets*; September; 833

2030 – Network flow programming and graphs

Cook, W.D. and J. Zhu; *Output deterioration with input reduction in data envelopment analysis*; March; 309

2040 –Metaheuristics

Xu, D. and S.L. Albin; *Robust optimization of experimentally derived objective functions*; September; 793

2140 – Engineering statistics

Deák, I.; *Probabilities of simple* n*-dimensional sets for the normal distribution*; March; 285

2310 – Input modeling

Willemain, T.R., R.A. Bress and L.S. Halleck; *Enhanced simulation inference using bootstraps of historical inputs*; September; 851
Zouaoui, F. and J.R. Wilson; *Accounting for parameter uncertainty in simulation input modeling*; September; 781

2315 – Metamodeling

Irizarry, M. de los A., M.E. Kuhl, E.K. Lada, S. Subramanian and J.R. Wilson; *Analyzing transformation-based simulation metamodels*; March; 271

2325 – Optimization

Boesel, J., B.L. Nelson and N. Ishii; *A framework for simulation–optimization software*; March; 211

2350 – Variance reduction

Irish, T.H., D.C. Dietz and K.W. Bauer Jr; *Replicative use of an external analytical model in simulation variance reduction*; September; 879

2410 – New product development

Chambers, C. and P. Kouvelis; *Competition, learning and investment in new technology*; September; 863

3010 – Control policy

Gürler, Ü. and B.Y. Özkaya; *A note on "Continuous review perishable inventory systems: models and heuristics;"* March; 321

3060 – Performance evaluation

Chen, H. and Y-W. Wan; *Price competition of make-to-order firms*; September; 817

3150 – Supply chain management

Alwan, L.C., J.J. Liu and D-Q. Yao; *Stochastic characterization of upstream demand processes in a supply chain*; March; 207

3250 – Transportation

Chen, H. and Y-W. Wan; *The optimal admission and dispatching control policy of a two-terminal transportation system*; September; 895

3255 – Vehicle routing/scheduling

Cheung, R.K. and D.D. Hang; *Multi-attribute label matching algorithms for vehicle routing problems with time windows and backhauls*; March; 191

3580 – Stochastic scheduling

Robinson. L.W. and R.R. Chen; *Scheduling doctors' appointments: optimal and empirically-based heuristic policies*; March; 295

4340 – Statistical quality control

Tsung, F. and K-L. Tsui; *A mean-shift pattern study on integration of SPC and APC for process monitoring*; March; 231

GUEST REVIEWERS FOR 2003

Christos Alexopoulos, Georgia Institute of Technology
Nilay T. Argon, University of Wisconsin - Madison
Chester G. Chambers, Southern Methodist University
Raymond Cheung, Hong Kong University of Science and Technology
Wien Chiang, University of Tulsa
Mark Daskin, Northwestern University
Gerg Dobson, University of Rochester
Paul Feigin, The Technion, Israel
Michael Fu, University of Maryland
Boaz Golany, The Technion, Israel
Haresh Gurnani, Miami University
Sean Han, North Carolina State University
Arie Harel, Baraugh College, City University of New York
Moshe Haviv, Hebrew University of Jerusalem, Israel
Yifan He, Fudan University, China
Yale T. Herer, Technion, Israel
Roger M. Hill, Exeter University, UK
Keebom Kang, Naval Postgraduate School
Seoung-Hee Kim, Georgia Institute of Technology
Anton J. Kleyweght, Georgia Institute of Technology
Andre Langevin, Ecole Polytechnique, Montréal
Martin Leriviere, Northwestern University
Zhongfei Li, Zhongshan University, China
Andrew Lim, University of California at Berkeley
Jiyin Liu, Hong Kong University of Science and Technology
John J. Liu, University of Wisconsin at Milwaukee
Victor Martinez, MIT
Michael Masin, The Pennsylvania State University
Steven Nahmias, Santa Clara University
Marvin K. Nakayama, New Jersey Institute of Technology
Lewis Ntaimo, University of Arizona
Erol Pekoz, Boston University
Sanja Petrovic, Nottingham University, UK
Patrick Philipoom, University of South Carolina
Raymond Popovic, Georgia Institute of Technology
John Ruggiero, University of Dayton
Suvrajeet Sen, University of Arizona
Andrew F. Seila, University of Georgia
Michael R. Taaffe, Virginia Tech
Michael Trick, CMU
Kwok-Leung Tsui, Georgia Institute of Technology
Mishal Tzur, Tel-Aviv University
Garrett van Ryzin, Columbia University
Roshan Vengazhiyil, Georgia Institute of Technology
Brani Vidakovic, Georgia Institute of Technology
James R. Wilson, North Carolina State University
Mei Yu, Chinese Academy of Sciences
Daniel Zeng, University of Arizona
Shunming Zhang, McMaster University, Canada

QUALITY & RELIABILITY ENGINEERING

AUTHOR INDEX FOR 2003

Ankerman, B.E.; *Identifying rising ridge behavior in quadratic response surfaces*; June; 493

Bailey, C.D. and E.V. McIntyre; *Using parameter prediction models to forecast post-interruption learning*; December; 1077
Barreau, A., B. Scibilia, A. Kobi and R. Chassagnon; *Robust designs for quality improvement*; June; 487

Cassady, C.R. and E. Kutanoglu; *Minimizing job tardiness using integrated preventive maintenance planning and production scheduling*; June; 503
Chassagnon, R., B. Scibilia, A. Kobi and A. Barreau; *Robust designs for quality improvement*; June; 487
Chen, Y. and J. Jin; *Cost-variability-sensitive preventive maintenance considering management risk*; December; 1091
Coit, D.W., S. Kulturel-Konak and A.E. Smith; *Efficiently solving the redundancy allocation problem using the tabu search*; June; 515
Coit, D.W.; *Maximization of system reliability with a choice of redundancy strategies*; June; 535
Costa, A.F.B., E.K. Epprecht and F.C.T. Mendes; *Adaptive control charts for attributes*; June; 567

Dada, M., D.A. Serel, H. Moskowitz and R.D. Plante; *Investing in quality under autonomous and induced learning*; June; 545

Epprecht, E.K., A.F.B. Costa and F.C.T. Mendes; *Adaptive control charts for attributes*; June; 567

Fang, Z., J. Huang and M.J. Zuo; *Multi-state consecutive-k-out-of-n-systems*; June; 527

Huang, J., M.J. Zuo and Z. Fang; *Multi-state consecutive-k-out-of-n-systems*; June; 527

Jin, J. and Y. Chen; *Cost-variability-sensitive preventive maintenance considering management risk*; December; 1091

Kim, K.O. and W. Kuo; *Percentile life and reliability as performance measures in optimal system design*; December; 1133
Kobi, A., B. Scibilia, A. Barreau and R. Chassagnon; *Robust designs for quality improvement*; June; 487
Kotz, S., C.D. Lai and M. Xie; *On the effect of redundancy for systems with dependent components*; December; 1103
Kulturel-Konak, S., A.E. Smith and D.W. Coit; *Efficiently solving the redundancy allocation problem using the tabu search*; June; 515
Kuo, W. and K.O. Kim; *Percentile life and reliability as performance measures in optimal system design*; December; 1133
Kutanoglu, E. and C.R. Cassady; *Minimizing job tardiness using integrated preventive maintenance planning and production scheduling*; June; 503

Lai, C.D., S. Kotz and M. Xie; *On the effect of redundancy for systems with dependent components*; December; 1103
Levitin, G.; *Element availability importance in generalized k-out-of-r-from-n-systems*; December; 1125

Marcellus, R.L.; *Performance measures for a single-change-point nonstationary control chart policy*; December; 1111
McIntyre, E.V. and C.D. Bailey; *Using parameter prediction models to forecast post-interruption learning*; December; 1077
Mendes, F.C.T., E.K. Epprecht and A.F.B. Costa; *Adaptive control charts for attributes*; June; 567
Moskowitz, H., D.A. Serel, M. Dada and R.D. Plante; *Investing in quality under autonomous and induced learning*; June; 545

Nelson, B.J., G.C. Runger and J. Si; *An error rate comparison of classification methods with continuous explanatory variables*; June; 557

Plante, R.D., D.A. Serel, M. Dada and H. Moskowitz; *Investing in quality under autonomous and induced learning*; June; 545

Runger, G.C., B.J. Nelson and J. Si; *An error rate comparison of classification methods with continuous explanatory variables*; June; 557

Scibilia, B., A. Kobi, A. Barreau and R. Chassagnon; *Robust designs for quality improvement*; June; 487
Serel, D.A., M. Dada, H. Moskowitz and R.D. Plante; *Investing in quality under autonomous and induced learning*; June; 545
Si, J., B.J. Nelson and G.C. Runger; *An error rate comparison of classification methods with continuous explanatory variables*; June; 557
Smith, A.E., S. Kulturel-Konak and D.W. Coit; *Efficiently solving the redundancy allocation problem using the tabu search*; June; 515

Xie, M., S. Kotz and C.D. Lai; *On the effect of redundancy for systems with dependent components*; December; 1103

Zuo, M.J., J. Huang and Z. Fang; *Multi-state consecutive-k-out-of-n-systems*; June; 527

SUBJECT INDEX FOR 2003

4180 – Robust design
Ankerman, B.E., *Identifying rising ridge behavior in quadratic response surfaces*; June; 493
Serel, D.A., M. Dada, H. Moskowitz and R.D. Plante; *Investing in quality under autonomous and induced learning*; June; 545

4220 – Probability modeling
Bailey, C.D. and E.V. McIntyre; *Using parameter prediction models to forecast post-interruption learning*; December; 1077

4300 – On-line quality control
Epprecht, E.K., A.F.B. Costa and F.C.T. Mendes; *Adaptive control charts for attributes*; June; 567
Nelson, B.J., G.C. Runger and J. Si; *An error rate comparison of classification methods with continuous explanatory variables*; June; 557
Scibilia, B., A. Kobi, A. Barreau and R. Chassagnon; *Robust designs for quality improvement*; June; 487

4340 – Statistical quality control
Marcellus, R.L.; *Performance measures for a single-change-point nonstationary control chart policy*; December; 1111

4460 – Maintenance
Cassady, C.R. and E. Kutanoglu; *Minimizing job tardiness using integrated preventive maintenance planning and production scheduling*; June; 503
Chen, Y. and J. Jin; *Cost-variability-sensitive preventive maintenance considering management risk*; December; 1091
Kulturel-Konak, S., A.E. Smith and D.W. Coit; *Efficiently solving the redundancy allocation problem using the tabu search*; June; 515

4470 –Reliability prediction
Coit, D.W.; *Maximization of system reliability with a choice of redundancy strategies*; June; 535
Huang, J., M.J. Zuo and Z. Fang; *Multi-state consecutive-*k*-out-of-*n*-systems*; June; 527
Kim, K.O. and W. Kuo; *Percentile life and reliability as performance measures in optimal system design*; December; 1133
Kotz, S., C.D. Lai and M. Xie; *On the effect of redundancy for systems with dependent components*; December; 1103
Levitin, G.; *Element availability importance in generalized* k*-out-of-*r*-from-*n *systems*; December; 1125

GUEST REVIEWERS FOR 2003

Susan Albin, Rutgers University
I. Kuban Altinal, Bogazici University, Turkey
Tayfur Altiok, Rutgers University
Raid Amin, University of West Florida
Charles W. Anderson, Colorado State University
Bruce Ankenman, Northwestern University
Francisco Aparisi, Universidad Politecnica de Valencia
Daniel W. Apley, Northwestern University
Robert Armacost, University of Central Florida
Ronald G. Askin, University of Arizona
Bilal M. Ayyub, University of Maryland
Bhavik R. Bakshi, The Ohio State University
Sanjib Basu, Northern Illinois University
Mohamed Ben-Daya, King Fahd University of Petrolueum & Minerals
Irad Ben-Gal, Ramat-Aviv
Derek Bingham, The University of Michigan
David Booth, Kent State University
John Borkowski, Montana State University
Connie Borror, Arizona State University
John Braun, University of Western Ontario
Jai Hyun Byun, Gyeongsang National University
Suntara Cahya, Eli Lilly and Company
Johan S. Carlson, Fraunhofer-Chalmers Research Centre for Ind. Mathematics
Philippe Castagliola, Ecole des Mines de Nantes
Enrique del Castillo, The Pennsylvania State University
Darek Ceglarek, University of Wisconsin
Charles W. Champ, Georgia Southern University
Philip L.Y. Chan, The University of Hong Kong
Shing I. Chang, Kansas State University
Hanfeng Chen, Bowling Green State University
Victoria C. P. Chen, University of Texas, Arlington
Smiley Cheng, University of Manitoba
Ying-Che Chien, Lucent Technologies
Youn-Min Chou, The University of Texas at San Antonio
Chi-Hng Kelvin Chu, Bell Laboratories, Adv. Tech.
David Coit, Rutgers University
Yu Ding, Texas A & M University
Nader Ebrahimi, Northern Illinois University
Elsayed Elsayed, Rutgers University
Alaattin Erkanli, Duke University
Gerald Evans, University of Louisville
Shu-Kai Fan, Yuan Ze University
Y. Fang, University of Oregon
Richard Feldman, Texas A & M University
Alberto J. Ferrer-Riquelme, Universidad Politicnica de Valencia
Fiorenzo Franceschini, Politecnico di Torino
Ricardo Fricks, Motorola, Inc.
Fah Fatt Gan, National University of Singapore
Ilya Gertsbakh, Ben-Gurion University of the Negev
Ruey-Shan Guo, National Taiwan University
Melike Gursoy, Rutgers University
John M. Harris, Southern Company Services
Rick Hathaway, Georgia Southern University
Douglas M. Hawkins, University of Minnesota
Qi-Ming He, DalTech Dalhousie University
David Hoeflin, AT&T
Jack S. Hu, University of Michigan
Qiang Huang, University of Michigan
A. Freek Huele, Centre for Quantitative Methods CQM B.V.
Frank Kwang-Ming Hwang, National Chiao Tung University
Renyan Jiang, University of Toronto
Jionghua Judy Jin, The University of Arizona
L. Allison Jones-Farmer, Auburn University
Babu Joseph, Washington University in St. Louis
Horng Shiau Jyh-Jen, National Chiao Tung University
Brian M. Kleiner, Virginia Polytechnic Institute and State University
Markos Koutras, University of Piraeus, Greece
Way Kuo, Texas A & M University
Gregory Levitin, Israel Electric Corporation
Linxiong Li, University of New Orleans
Xiaoli Li, The Chinese University of Hong Kong
Kevin W. Linderman, Carlson School of Management
Regine Liu, Rutgers University
J.C. Lu, Georgia Inst. of Technology
James M. Lucas, J. M. Lucas Assoc.
Alberto Luceno, University of Cantabria
Michael J. Luvalle, OFS Laboratories
Lisa Maillart, Weatherhead School of Management
Terry Martin, University of Arkansas
Aladjen Mayer, Ben-Gurion University of Negev
Mainak Mazumdar, University of Pittsburgh
Thomas P. McWilliams, Drexel University
Mohammad Modarres, University of Maryland
Douglas C. Montgomery, Arizona State University
Harriet Black Nembhard, The University of Wisconsin
Celestine Ntuen, North Carolina A & T State Univ.
Hiroshi Ohta, Osaka Prefecture University
Geoffrey Okogbaa, University of South Florida
William J. Padgett, University of South Carolina
Laura Painton-Swiler, Sandia National Laboratories
Rong Pan, The University of Texas at El Paso
John J. Peterson, GlaxoSmithKline Pharmaceuticals
Jonathan P. Pinder, Wake Forest University
Robert D. Plante, Purdue University
Alan Polansky, Northern Illinois University
Stephen Pollock, Univesity of Michigan
John Quigley, University of Strathclyde at Glasgow
Abdur Rahim, University of New Brunswick
Suresh Rai, Louisiana State University

Jayant Rajgopal, University of Pittsburgh
S. Rajagopalan, University of Southern California
A. Ravi Ravindran, Penn State University
Marion R. Reynolds, Jr., Virginia Polytechnic Institute and State University
George C. Runger, Arizona State University
Erwin Martin Saniga, University of Delaware
James R. Simpson, Florida State University
Nozer D. Sinpurwalla, George Washington University
Alice Smith, Auburn University
Sieteng Soh, Curtin University of Technology
Fred A. Spiring, University of Manitoba
Stefan Steiner, University of Waterloo
Robert Storer, Lehigh University
Joe H. Sullivan, Mississippi State University
Chang Sup Sung, Korea Advanced Inst. of Science & Technology
George Tagaras, Aristotle University of Thessaloniki
Loon Ching Tang, National University of Singapore
James Tannock, University of Nottingham
Neil H. Timm, University of Pittsburgh
Kwok Tsui, Georgia Tech University
Fugee Tsung, Hong Kong University of Sci. & Tech.
A.C. Tucker, State University of New York at Stony Brook
John Usher, University of Louisville
Timothy Vaughan, University of Wisconsin—Eau Claire
J. Rene Villalobos, Arizona State University
Don G. Wardell, University of Utah
George O. Wesolowsky, McMaster University
Thomas R. Willemain, Rensselaer Polytechnic Institute
Robin C. Wurl, Oregon State University
Min Xie, National University of Singapore
Paul Zantek, University of Maryland
Tieling Zhang, HAL Corporation
Wu Zhang, Nanyang Technological University
Shiyu Zhou, University of Wisconsin, Madison
Ming J. Zuo, University of Alberta